

ATL-150

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On page 14, lines 29-30, delete the bracketed material and insert --5,706,819-- in place thereof.

On page 26, line 26, delete the bracketed material and insert --5,718,229-- in place thereof.

IN THE CLAIMS:

Please amend Claims 1-3, 5, 7, 9-16 and 39-42 as indicated below by deleting the bracketed material and adding the underlined material.

1. (Amended) An ultrasonic diagnostic imaging system for imaging the harmonic response of tissue [structure] inside a body with reduced clutter, comprising:

a/ a transmit controller operable to cause the elements of an array transducer to transmit wave components which are of insufficient energy to stimulate a significant harmonic response in the near field, and which wave components are focused to develop higher intensity energy at a greater depth;

an array transducer [means] responsive to said transmit controller for transmitting ultrasonic energy into the body at a fundamental frequency and;

means,] responsive to said transmitted ultrasonic energy, for receiving ultrasonic echo signals from tissue at a harmonic of said fundamental frequency; [and]

a beamformer which processes echo signals from the transducer elements of said array transducer to form coherent echo signals;

a circuit for passing harmonic frequency echo signals from tissue to the substantial exclusion of signals at said fundamental frequency; and

an image processor, responsive to harmonic frequency echo signals from tissue passed by said circuit, [means] for producing an ultrasonic tissue harmonic image [from said harmonic echo signals].

whereby multipath clutter in said tissue harmonic image is substantially reduced.

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